

AMENDMENTS TO THE CLAIMS:

Please amend the claims as shown below. The pending claims are as follows.

1. (Currently amended) A method comprising:
receiving capture data from a capture device, the capture data representing writings made on multiple ~~copies of a paper form~~ forms;
detecting geometric shapes ~~of~~ formed by the writings from the capture data;
comparing the detected shapes with a plurality of shapes stored in memory in association with a logical set;
upon matching, designating to which of the multiple ~~copies~~ paper forms the matched detected shapes belong according to detection order of the detected shapes in the logical set;
retrieving from memory data content printed on the designated paper form that is associated with the matched stored shapes; and
storing the content to memory ~~retrieved data~~ according to its designated ~~copy~~ paper form as writing made on that designated ~~copy~~ paper form.
2. (Currently amended) The method of claim 1, wherein the capture data is a set of time ordered coordinates (x,y) of the writings on the ~~copies~~ forms.
3. (Currently amended) The method of claim 1, wherein the capture data is a set of vector coordinates (x,y,t) of the writings on the ~~copies~~ forms.
4. (Currently amended) The method of claim 1, wherein the capture data is captured simultaneously with the writings made on the multiple ~~copies of the paper form~~ forms.
5. (Currently amended) The method of claim 1, wherein the logical set comprises the stored shapes corresponding to answers to a question on the designated paper form.
6. (Currently amended) The method of claim 1, wherein the ~~retrieved data~~ content includes answers to a questionnaire.

7. (Currently amended) A method comprising:
receiving a ~~set~~ sets of coordinates from a capture device, the ~~set of~~ coordinates representing geometric shapes made by a user on multiple ~~pages of a paper~~ forms ~~form without the use of a graphical user interface;~~
detecting shapes made by the writings from the coordinates; and
~~mapping~~ converting each shape to a questionnaire answer printed on a ~~different one of the multiple pages~~ paper forms.
8. (Canceled)
9. (Currently amended) The method of claim 7, wherein the ~~set~~ sets of coordinates ~~indicates~~ indicate when and where the ~~set of marks was~~ shapes were made.
10. (Currently amended) The method of claim 7,
wherein the multiple paper ~~data form is~~ forms are attached to the capture device, the ~~data form~~ forms including ~~the multiple pages and~~ a plurality of figures ~~boxes~~, each ~~box~~ figure having a unique shape and corresponding to a questionnaire answer.
11. (Currently amended) The method of claim 10, wherein each of the shapes is made by filling in one of the ~~boxes~~ figures.
12. (Currently amended) ~~The method of claim 11, further~~ A method comprising:
receiving a set of coordinates from a capture device, the set of coordinates representing shapes made by a user on multiple pages of a paper form;
mapping each shape to a questionnaire answer on a different one of the multiple pages;
and
identifying the multiple pages, including
receiving multiple sets of coordinates corresponding to the same data,
determining the order in which the multiple sets of coordinates was captured by the capture device, and
assigning each set to a different one of the multiple pages in the determined order,

wherein the paper data form is attached to the capture device, the data form including the multiple pages and a plurality of boxes, each box having a unique shape and corresponding to a questionnaire answer,

wherein each of the shapes is made by filling in one of the boxes.

13. (Currently amended) ~~The method of claim 11, further~~ A method comprising:
receiving a set of coordinates from a capture device, the set of coordinates representing shapes made by a user on multiple pages of a paper form;
mapping each shape to a questionnaire answer on a different one of the multiple pages;
and
discarding a mistakenly filled-in box, including
receiving the set of coordinates corresponding to the mistakenly filled-in box and the set of coordinates corresponding to a cross-out line,
determining that the cross-out line was drawn across the mistakenly filled-in box on the paper form, and
eliminating the set of coordinates corresponding to the mistaken filled-in box and the set of coordinates corresponding to the cross-out line,
wherein the paper data form is attached to the capture device, the data form including the multiple pages and a plurality of boxes, each box having a unique shape and corresponding to a questionnaire answer,
wherein each of the shapes is made by filling in one of the boxes.

14. (Currently amended) The method of claim 10, wherein each of the shapes is made by tracing the perimeter of one of the ~~boxes~~ figures.

15. (Currently amended) The method of claim 7, wherein the ~~mapping~~ converting includes:
retrieving from memory predefined shapes expected to be on the capture device;
comparing the ~~indicated~~ detected shapes to the predefined shapes;
determining which of the predefined shapes match the ~~indicated~~ detected shapes;
determining on which ~~page~~ paper form each of the ~~indicated~~ detected shapes belongs based on the match; and

storing the questionnaire answers corresponding to the determined predefined shapes on the determined ~~pages~~ paper forms.

16. (Currently amended) The method of claim 15, further including:
receiving ~~an identification~~ identifications of the paper ~~data form~~ forms; and
retrieving from memory the predefined shapes based on the ~~identification~~ identifications.

17. (Currently amended) A system, comprising:
a memory;
a processor in communication with the memory, the processor executing a set of instructions to:
receive capture data corresponding to ~~a set~~ sets of marks made on multiple ~~copies~~
~~of a questionnaire~~ questionnaires attached to a capture device,
detect shapes formed by the marks from the capture data; and
~~map the capture data~~ convert each shape to a questionnaire answer on each of the
multiple ~~copies~~ questionnaires.

18. (Currently amended) The system of claim 17, wherein the capture data indicates when and where the ~~set~~ sets of marks was made on the ~~questionnaire~~ questionnaires and to which of the multiple ~~copies~~ questionnaires the ~~set~~ sets of marks ~~corresponds~~ correspond.

19. (Currently amended) The system of claim 17, wherein the ~~set~~ sets of marks ~~indicates~~
indicate a plurality of the geometric shapes.

20. (New) A method comprising:
receiving capture data from a capture device, the capture data representing writings made on multiple paper forms;
detecting filled-in geometric shapes formed by the writings from the capture data; and
determining to which content on the paper forms the detected shapes belong.

21. (New) The method of claim 20, further comprising:

identifying the times that the writings were made.

22. (New) The method of claim 21, further comprising:
determining to which content on the paper forms the detected shapes belong based on the identified times.
23. (New) A method comprising:
receiving capture data from a capture device, the capture data representing writings made on multiple paper forms;
detecting shapes made by the writings from the capture data, the shapes being associated with a logical set; and
determining to which of the multiple paper forms the detected shapes belong according to the detection order of detected shapes associated with the same logical set.
24. (New) The method of claim 23, further comprising:
converting the detected shapes to content printed on the paper forms.
25. (New) A capture device comprising:
a tactile input device to detect locations of user contact thereon;
a form holder to position multiple paper forms over the tactile input device; and
a processor, electrically coupled to the tactile input device, to:
detect, from the locations, geometric shapes made by a user on a paper form, the shapes belonging to logical sets.
26. (New) The capture device of claim 25, wherein the processor is further configured to:
identify the times at which the locations of user contact were detected, and
based on the identified times, determine to which of the multiple paper forms the shapes belong.
27. (New) The capture device of claim 25, wherein the processor is further configured to:
differentiate between intended user contact and mistaken user contact.

28. (New) The capture device of claim 27, wherein the processor is further configured to:
detect, from the locations, cross marks made on the filled-in geometric shapes of
mistaken user contact.
29. (New) The capture device of claim 25, wherein the processor is further configured to:
determine to which of the multiple paper forms the shapes belong according to the
detection order of the detected shapes that belong to the same logical set.